

Converting Colors

$Y_{xy}(56.1965, 0.4238, 0.3854)$

Have a look what the booklet for
Yxy(56.1965, 0.4238, 0.3854)
contains.

Yxy(56.2482, 0.4241, 0.3860)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.2482, 0.4241, 0.3860)

Conversions

Conversions Part 1

Format	Color
Hex	FFB67F
RGB	255, 182, 127
RGB Percent	100%, 71%, 50%
CMY	0.0000, 0.2863, 0.5020
CMYK	0.00, 0.29, 0.50, 0.00
HSL	26°, 100%, 75%
HSV	26°, 50%, 100%
XYZ	61.8002, 56.2482, 27.6724
YIQ	197.5570, 61.1630, -1.6290

Conversions

Conversions Part 2

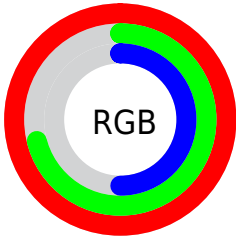
Format	Color
R _Y B	255, 223, 127
Decimal	16758399
CIE Lab	79.75, 20.43, 38.41
CIE LCh	80, 43.504, 61.993
Yxy	56.2482, 0.4241, 0.3860
Android (android.graphics.Color)	4294948479 (0xFFFFB67F)
YUV	197.5570, -34.7846, 50.3775
Hunter-Lab	74.9988, 15.8388, 30.6229

Details

The Yxy color **56.2482, 0.4241, 0.3860** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.0302, 0.2339, 0.2615**, and the grayscale version is **56.3757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7044, 0.3618, 0.3873**, and **27.8384, 0.4511, 0.3962** is the 20% darker color. If you saturate the color by 10%, you get **50.0167, 0.4543, 0.3951**, and if you desaturate by 10%, it is **63.2687, 0.3961, 0.3751**.

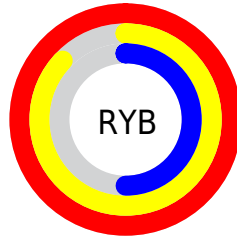
Distribution



Red (100%)

Green (71%)

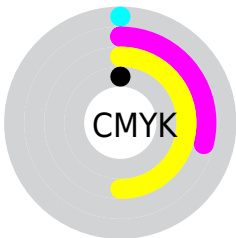
Blue (50%)



Red (100%)

Yellow (87%)

Blue (50%)

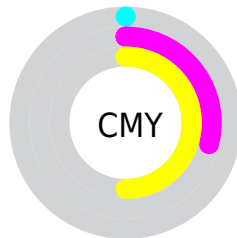


Cyan (0%)

Magenta (29%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2482, 0.4241, 0.3860 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 56.2482, 0.4241, 0.3860 by changing the saturation by 10% instead.


 56.2482, 0.4241,
0.3860

 56.2482, 0.4241,
0.3860


410.6262, 0.3704,
0.3614


 40.4020, 0.4366,
0.3908


 99.3674, 0.4052,
0.3780

 27.8521, 0.4519,
0.3963


 127.4091, 0.3980,
0.3747

 18.2142, 0.4711,
0.4023


 160.2848, 0.3917,
0.3718

 11.1039, 0.4956,
0.4082

198.3788, 0.3863,
0.3692

 6.1367, 0.5269,
0.4125

242.0755, 0.3816,
0.3670

 2.9284, 0.5800,
0.4200

291.7594, 0.3774,

 1.0945, 0.6121,

0.3649

0.3879

347.8149, 0.3737,
0.3630

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

56.2482, 0.4241,
0.3860

56.2482, 0.4241,
0.3860

50.0167, 0.4543,
0.3951

63.2687, 0.3961,
0.3751

44.5389, 0.4856,
0.4011

71.1043, 0.3709,
0.3633

39.7815, 0.5158,
0.4026

79.7839, 0.3488,
0.3515

35.7059, 0.5427,
0.3987

89.3339, 0.3296,
0.3400

■ 32.3249, 0.5644,
0.3901

99.7793, 0.3130,
0.3292

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.2482, 0.4205, 0.3422



56.2482, 0.4241, 0.3860



56.2482, 0.3958, 0.4210

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.2482, 0.4241, 0.3860



56.2482, 0.2431, 0.3572



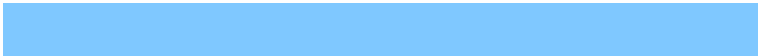
56.2482, 0.2720, 0.2431

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56.2482, 0.4241, 0.3860



53.0302, 0.2339, 0.2615

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.2482, 0.2312, 0.2406



56.2482, 0.4241, 0.3860



56.2482, 0.2156, 0.3004

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.2482, 0.4241, 0.3860



56.2482, 0.2904, 0.4096



56.2482, 0.2117, 0.2594



56.2482, 0.3278, 0.2641

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.2482, 0.4241, 0.3860



56.2482, 0.3643, 0.4325



56.2482, 0.2117, 0.2594



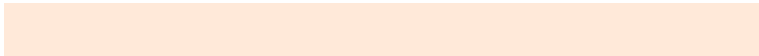
56.2482, 0.2563, 0.2401

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56.2494, 0.4241, 0.3860



84.6419, 0.3385, 0.3455



40.6828, 0.3704, 0.2534



17.6894, 0.3426, 0.3479



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.2494, 0.4241, 0.3860



50.1352, 0.4537, 0.3949



87.6932, 0.3913, 0.4426



19.2709, 0.3284, 0.3393



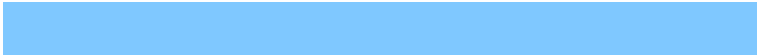
17.1732, 0.5616, 0.3923



1.8839, 0.5415, 0.4082

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



53.0302, 0.2339, 0.2615



46.5443, 0.2202, 0.2453



29.8081, 0.2184, 0.1816



19.0973, 0.2979, 0.3185



14.7212, 0.1838, 0.1815



1.6504, 0.1888, 0.1998

Previews

White Background



This preview shows how the Yxy color 56.2482, 0.4241, 0.3860 looks on a white background.

Color Contrast Check

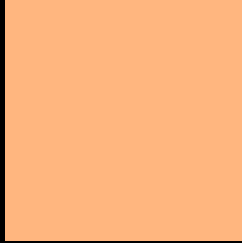
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 56.2482, 0.4241, 0.3860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

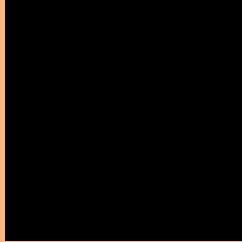
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.2482, 0.4241, 0.3860

Background



This preview shows how black text looks on a background with the Yxy color 56.2482, 0.4241, 0.3860.



This preview shows how white text looks on a background with the Yxy color 56.2482, 0.4241, 0.3860.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

56.2482, 0.4241, 0.3860

Protanopia

56.5287, 0.3765, 0.4058

Deuteranopia

56.2266, 0.4079, 0.3989



Tritanopia

56.3351, 0.3724, 0.3177

Trichromacy



Original Color

56.2482, 0.4241, 0.3860

Protanomaly

56.1610, 0.3938, 0.3980

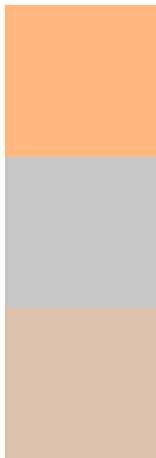
Deuteranomaly

56.0366, 0.4140, 0.3933

Tritanomaly

56.2534, 0.3916, 0.3429

Monochromacy



Original Color

56.2482, 0.4241, 0.3860

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

55.7379, 0.3511, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2482, 0.4241, 0.3860 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 182, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 127)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 182, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 127) }
```

Border

The CSS property to change the border of an element to Yxy 56.2482, 0.4241, 0.3860 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 182, 127) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 182, 127) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 182, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2482, 0.4241, 0.3860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 127) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
182, 127) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor